

62 SB115.  
F5 REF/REF

REF/RAR

F. & F.

Nurseries

HOLMDEL, N. J.

WHITNEY 6-4500

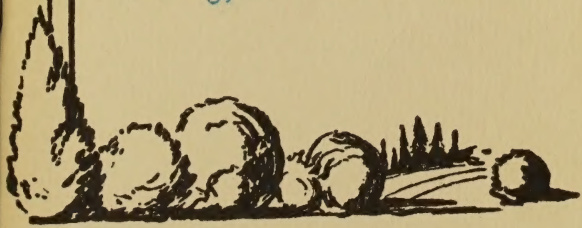
LIBRARY  
RECEIVED  
★ FEB 18 1960 ★  
U. S. Department of Agriculture

PRODUCTION  
CURRENT SERIAL RECORDS

TRADE LIST  
SPRING 1960

9 '84

U.S.D.A.  
NAT'L AGRIC LIBRARY  
RECEIVED



809245

## CONDITIONS OF SALE

**ORDERS ARE ACCEPTED SUBJECT** to prior sale, and to condition of stock at delivery date, under the following terms:

**GOODS IN TRANSIT** — All goods are at purchaser's risk after they are delivered to the forwarding companies and we receive their receipts for the shipment in good condition. Delivery charges as per schedule in back of catalog. Boxing and baling additional, at cost.

**WARRANTY** — All stock is to be in first class condition, true to name and variety at time of purchase. However, no warranty is expressed or implied as to life or productiveness after stock leaves our hands.

**CLAIMS** must be made within **FIVE DAYS** after receipt of goods.

**PRICES** in this catalog cancel all previous lists and quotations, are subject to change without notice and they are **F.O.B.** our nurseries, packing extra. The quantity rates apply only to orders calling for the same size and variety.

**TERMS CASH** — For customers of established credit accounts will be open due in 30 days from date of invoice. Interest at six per cent (6%) per year will be charged on all accounts from due date. Cash or satisfactory references from new customers. Orders for **C.O.D.** shipment must be accompanied by one-third the amount.



**TREES, SHRUBS, VINES**

1 to 4    5 to 24    25 & up  
Each    Each    Each

**ABELIA grandiflora 5'-6'**

**Glossy Abelia**

Half Evergreen. Dainty bell-shaped shell pink flowers throughout summer. Field grown Abelias do not transplant readily. Fine pot grown plants.

5 in. pots. 15 to 18 in..... 1.50    1.25    1.10

**ACER palmatum**

**—atropurpureum 8'-9'**

**Purple Japan Maple**

Has rich purple-red leaves all summer, best planted in full sun.

1½ to 2 ft. B.&B..... 6.00

2 to 2½ ft. B.&B..... 8.00

2½ to 3 ft. B.&B..... 10.00

3 to 3½ ft. B.&B..... 13.00

**platanooides 60'-80'**

**Norway Maple**

Probably the easiest shade tree to transplant successfully spring or fall. Holds its foliage until late.

8 to 9 ft., 1¼ to 1½ in..... 5.50    5.00

9 to 10 ft., 1½ to 1¾ in..... 6.50    6.00

10 to 12 ft., 1¾ to 2 in..... 7.50

11 to 13 ft., 2 to 2¼ in..... 9.50    9.00    8.00

13 to 14 ft., 2¼ to 2½ in..... 12.00    11.00    10.00

14 to 15 ft., 2½ to 3 in..... 15.00    13.00    12.00

14 to 16 ft., 3 to 3½ in..... 18.00

**—schwedleri 40'-60'**

**Schwedler Maple**

Easily transplanted fall or spring. Bright red foliage in spring changing to purple green in summer. Holds foliage late, grows more slowly than its parent.

8 to 9 ft., 1¼ to 1½ in..... 7.00    6.00    5.00

9 to 10 ft., 1½ to 1¾ in..... 9.00    8.00    7.00

**rubrum 80'-100'**

**Red or Swamp Maple**

This is the well loved native tree so noticeable early spring when fiery red blossoms cover the branches. Foliage rather small, good fall coloring. Does well in heavy clay soils. Transplants well fall or spring.

8 to 9 ft., 1¼ to 1½ in..... 6.50    6.00

9 to 10 ft., 1½ to 1¾ in..... 7.50

10 to 11 ft., 1¾ to 2 in..... 9.50    8.00

14 to 16 ft., 3 to 3½ in..... 22.00

16 to 18 ft., 3½ to 4 in..... 24.00

1 to 4 Each	5 to 24 Each	25 & up Each
----------------	-----------------	-----------------

**ACER saccharum 80'-100'****Sugar or Rock Maple**

Symmetrical crown. Most popular in northern New Jersey and further north. Does best planted in spring in well drained soil, partial to lime. Rich autumn colorful foliage.

8 to 9 ft., 1¼ to 1½ in.....	7.00	6.50
9 to 10 ft., 1½ to 1¾ in.....	8.00	7.50
10 to 12 ft., 1¾ to 2 in.....	10.00	9.50
11 to 13 ft., 2 to 2¼ in.....	12.00	

**AMPELOPSIS tricuspidata (veitchii) 40'-50'****(Parthenocissus tricuspidata)****Boston Ivy**

Brilliant autumn coloring, blue berries turning black—closely self-clinging vine.

3 in. pots .....	.40	.35
------------------	-----	-----

**AZALEA arborescens 10'-12'****Sweet Azalea**

Fragrant white flower in June. Nursery grown plants.

1½ to 2 ft. B.&B.....	3.25	3.00
2 to 3 ft. B.&B.....	4.25	4.00

**Delaware Valley White 4'****White Azalea**

Evergreen. This hardy, compact azalea has large pure white flowers and a spreading habit. Dependable.

10 to 12 in. B.&B.....	2.00
12 to 15 in. B.&B.....	2.50

**kaempferi hybrids 3'-4'****Torch Azalea****(malvatica strain)**

Malvatica hybrids are not only hardy but habit of growth is bushy. Flower colors exceptionally pleasing.

**—malvatica 3'-4'****Salmon Red**

12 to 15 in. B.&B.....	3.00	2.75
15 to 18 in. B.&B.....	3.75	3.50 3.25
18 to 24 in. B.&B.....	5.00	4.50

**—malvatica 3'-4'****Orange Red**

12 to 15 in. B.&B.....	3.00	2.75
15 to 18 in. B.&B.....	3.75	3.50 3.25
18 to 24 in. B.&B.....	5.00	4.50

1 to 4  
Each      5 to 24  
Each      25 & up  
Each

**AZALEA kaempferi hybrids 3'-4'**

**—malvatica**

**Brick Red**

12	to 15	in. B.&B.....	3.00	2.75	
15	to 18	in. B.&B.....	3.75	3.50	3.25
18	to 24	in. B.&B.....	5.00	4.50	

**obtusa amoena 3'-4'**

**Amoena Azalea**

Evergreen. Conspicuous purple-red flowers April to May. Leaves turn rich bronze-green in winter.

12	to 15	in. B.&B.....	2.50	2.25	2.00
15	to 18	in. B.&B.....	3.50	3.25	3.00

**—coccinea 4'-5'**

**Red Amoena Azalea**

Evergreen. Quite an improvement in color. Almost vermilion.

12	to 15	in. B.&B.....	2.50	2.25	
15	to 18	in. B.&B.....	3.50	3.25	

**—hinodegiri 3'-4'**

**Hinodegiri Azalea**

Evergreen. Larger leaves and flowers than Amoena; flowers very bright carmine-pink. Effective with masses or with Rhododendrons.

12	to 15	in. B.&B.....	2.75	2.50	
15	to 18	in. B.&B.....	3.50	3.25	
18	to 24	in. B.&B.....	5.00	4.50	

**—Shooting Star 3'-4'**

**Light Red Azalea**

Evergreen. Hardy. Bright red flowers. Good foliage.

12	to 15	in. B.&B.....	2.75	2.50	
----	-------	---------------	------	------	--

**poukhanensis yodogawa 4'-5'**

**Yodogawa Azalea**

Hardy deciduous azalea with double lavender pink flowers.

15	to 18	in. B.&B.....	4.00	3.75	
----	-------	---------------	------	------	--

**vaseyi 10'-12'**

**Pink Shell Azalea**

Large bell-shaped pink flowers in May.

15	to 18	in. B.&B.....	2.50		
18	to 24	in. B.&B.....	3.50		



1 to 4    5 to 24    25 & up  
Each    Each    Each

**AZALEA****Vuykiana Hybrids 5'-6'****Hardy Evergreen Azalea**

These hardy evergreen azaleas have proven to be very useful landscape material. They have a wide color range, good blooming and foliage habits and above all seem to thrive in our locality. Flowers bloom in good profusion in May.

**—Beethoven 3'-4'****Deep Orchid**

Large deep orchid flowers.

2 to 2½ ft. B.&B..... 6.00

**—Gerardina 3'-4'****Deep pink, red center**

Good foliage and flower habit—excellent landscape qualities.

12 to 15 in. B.&B..... 3.00 2.75

15 to 18 in. B.&B..... 4.00 3.75

18 to 24 in. B.&B..... 5.00 4.50

**—Joseph Hayden 3'-4'****Lilac**

Very large light orchid flowers.

18 to 24 in. B.&B..... 5.00

2 to 2½ ft. B.&B..... 6.00

**—Mozart 3'-4'****Pink**

Large light pink flowers.

15 to 18 in. B.&B..... 4.00

**—Wilhelmina 3'-4'****Pure White**

A truly hardy large ivory white flowering azalea.

12 to 15 in. B.&B..... 3.00 2.75 2.50

15 to 18 in. B.&B..... 4.00 3.50 3.00

18 to 24 in. B.&B..... 5.00 4.50 4.00

**BENZOIN aestivale 10'-12'****Spice Bush**

The miniature yellow flowers early in April and scarlet berries in the fall makes Benzoin a useful woodland shrub.

2 to 3 ft..... .75 .70

3 to 4 ft..... .90

1 to 4    5 to 24    25 & up  
Each    Each    Each

**BERBERIS chenaulti 4'-5'**

**Chenault Barberry**

Evergreen, compact barberry, good rich green foliage in summer turning scarlet in autumn. Very choice variety.

12	to 15	in. B.&B.....	2.00	1.75	1.50
15	to 18	in. B.&B.....	2.50	2.25	1.75
18	to 24	in. B.&B.....	3.50	3.00	2.50
2	to 2½	ft. B.&B.....	4.50	4.00	

**Juliana nana 5'-6'**

**Dwarf Wintergreen Barberry**

Evergreen. Foliage smaller, more compact grower. Seems very hardy.

12	to 15	in. B.&B.....	2.00	1.75	1.50
15	to 18	in. B.&B.....	2.50	2.25	1.75
1½	to 2	ft. B.&B.....	3.50	3.00	2.50
2	to 2½	ft. B.&B.....	4.50	4.00	3.50

**BETULA alba 30'-50'**

**European White Birch**

Very attractive tree with white bark.

8 to 10 ft., 1¼ to 1½ in. B.&B.	8.00
10 to 12 ft., 1½ to 1¾ in. B.&B.	10.00
12 to 14 ft., 1¾ to 2 in. B.&B.	11.00

**—fastigiata 20'-25'**

**European White Birch**

Beautiful white bark on main stem with Lombardy Poplar like branching habit.

6 to 8 ft. B.&B.....	9.00
8 to 10 ft. B.&B.....	10.50
10 to 12 ft. B.&B.....	12.00

**—laciniata 30'-40'**

**Weeping Cutleaf White Birch**

Deep cut leaves. Silvery white bark, drooping branches. A fine graceful ornamental tree.

10 to 12 ft., 1½ to 1¾ in. B.&B.	11.00	10.00
12 to 14 ft., 1¾ to 2 in. B.&B.	12.00	11.00
15 to 16 ft., 2¼ to 2½ in. B.&B.	16.00	

**populifolia 35'-40'**

**Gray Birch**

This white bark clump birch makes a fine lawn decoration. Thrives in poor soil and dry places.

4 to 5	ft. clumps B.&B....	4.50	4.00
5 to 6	ft. clumps B.&B....	5.00	4.50
6 to 8	ft. clumps B.&B....	7.00	
8 to 10	ft. clumps B.&B....	9.00	

	1 to 4 Each	5 to 24 Each	25 & up Each
<b>BUDDLEIA Charming 5'-6'</b>	<b>Pink Butterfly Bush</b>		
Long panicles of pink flowers.			
5 in. pots .....	.55	.45	
<b>Royal Red 5'-6'</b>	<b>Red Butterfly Bush</b>		
Spikes of showy red flowers. June-Sept.			
5 in. pots .....	.55	.45	
<b>White Bouquet 5'-6'</b>	<b>White Butterfly Bush</b>		
Showy white flowers. June-Sept. Well drained sunny location desired.			
5 in. pots .....	.55	.45	
<b>CELASTRUS scandens 20'-25'</b>	<b>American Bittersweet</b>		
Orange and red berries that retain color when cut and dried. Grown by cuttings taken from fruiting plants only.			
2 yr. ....	.50	.45	.40
3 yr. ....	.70	.60	.50

### SPECIAL OFFER

These Cypress are well sheared transplanted specimen stock. Note the 100 rate prices. Order now while the supply lasts.

<b>CHAMAECYPARIS pisifera 25'-30'</b>	<b>Sawara Cypress</b>		
Fast grower, loosely pyramidal. Hardest of family.			
1½ to 2 ft. B.&B.....	2.50	2.00	1.50
2 to 2½ ft. B.&B.....	3.00	2.50	2.00
2½ to 3 ft. B.&B.....	3.50	3.00	2.50
3 to 4 ft. B.&B.....	4.00	3.50	3.00
4 to 5 ft. B.&B.....	5.50	5.00	4.50
<b>—aurea 25'-30'</b>	<b>Golden Sawara Cypress</b>		
Foliage bright yellow especially in spring. Branches droop when older.			
1½ to 2 ft. B.&B.....	2.50	2.00	1.50
2 to 2½ ft. B.&B.....	3.00	2.50	2.00
2½ to 3 ft. B.&B.....	3.50	3.00	2.50
3 to 4 ft. B.&B.....	4.00	3.50	3.00
4 to 5 ft. B.&B.....	5.50	5.00	



1 to 4    5 to 24    25 & up  
Each    Each    Each

**CHAMAECYPARIS pisifera**

**—filifera**

**aurea nova** 10'-12'

**Variegated Thread Cypress**

Green and yellow foliage—low spreading habit.

15	to 18	in. B.&B.....	2.50	2.25	
----	-------	---------------	------	------	--

**plumosa** 25'-30'

**Plume Cypress**

Forms a dense cone of fine texture. Shears well.

2	to	2½ ft. B.&B.....	3.00	2.50	2.00
2½	to	3 ft. B.&B.....	3.50	3.00	2.50
3	to	4 ft. B.&B.....	4.00	3.50	3.00
4	to	5 ft. B.&B.....	5.50	5.00	4.50

**—aurea** 20'-25'

**Golden Plume Cypress**

Has yellow foliage.

15	to 18	in. B.&B.....	2.00	1.50	1.00
1½	to 2	ft. B.&B.....	2.50	2.00	1.50
2	to 2½	ft. B.&B.....	3.00	2.50	2.00
2½	to 3	ft. B.&B.....	3.50	3.00	2.50
3	to 4	ft. B.&B.....	4.00	3.50	3.00
4	to 5	ft. B.&B.....	5.50	5.00	4.50
5	to 6	ft. B.&B.....	6.00	5.50	

**—lutescens** 3'-4'

**Dwarf Yellow Plume Cypress**

A low, broad, rounded top bush. Yellow-tipped branches.

12	to 15	in. B.&B.....	2.50	2.25	1.50
15	to 18	in. B.&B.....	3.00	2.75	2.00
18	to 24	in. B.&B.....	3.50	3.25	2.50
2	to 2½	ft. B.&B.....	4.00	3.50	3.00

**squarrosa veitchi** 10'-18'

**Moss Cypress**

A hardy, slow growing, compact evergreen with striking blue gray foliage.

18	to 24	in. B.&B.....	3.00	2.75	2.50
2	to 2½	ft. B.&B.....	3.50	3.00	2.75
2½	to 3	ft. B.&B.....	4.50	4.00	3.75
3	to 4	ft. B.&B.....	5.00	4.50	4.00

1 to 4 Each	5 to 24 Each	25 & up Each
----------------	-----------------	-----------------

**CHIONANTHUS virginica 15'-18'****White Fringe**

Fragrant tassel-like white flowers, May-June.

2	to	3	ft.	1.00	.90	
3	to	4	ft.	1.50	1.25	

**CLETHRA alnifolia 4'-5'****Summersweet**

Spikes of fragrant flowers, July-Sept. Prefers moist shady places.

1½	to	2	ft.	.75	.70	.65
2	to	2½	ft.	.80	.75	.70
2½	to	3	ft.	.90	.80	

**CORNUS alba (sibirica) 8'-10'****Coral Dogwood**

Bright red bark, porcelain blue fruits — quick grower, useful for winter effect.

2	to	3	ft.	.60	.55	.50
---	----	---	-----	-----	-----	-----

**florida 15'-25'****White Flowering Dogwood**

White flowers. A most popular spring flowering small tree. Red berries in fall.

4	to	5	ft. B.&B.	5.00	4.50	4.00
5	to	6	ft. B.&B.	7.00	6.50	5.50
6	to	7	ft. B.&B.	9.00	8.00	6.50
7	to	8	ft. B.&B.	10.00	9.50	9.00
8	to	10	ft. B.&B.	12.00	11.00	10.00

**—rubra 15'-20'****Red Flowering Dogwood**

Beautiful red flowers in spring. Berries similar to the white type.

4	to	5	ft. B.&B.	7.50	7.00	6.50
5	to	6	ft. B.&B.	9.00	8.50	8.00
6	to	7	ft. B.&B.	12.00	11.00	10.00

**mas 12'-18'****Cornelian Cherry Dogwood**

Fine yellow flowers before Forsythia — showy cherry red fruits, fine for preserving.

2	to	3	ft. B.&B.	1.25	1.10	1.00
3	to	4	ft. B.&B.	1.75	1.50	1.25
4	to	5	ft. B.&B.	4.00	3.50	
5	to	6	ft. B.&B.	6.00	5.50	

1 to 4    5 to 24    25 & up  
Each    Each    Each

**CORNUS**

**stolonifera flaviramea 6'-8'**  
(lutea)

**Goldentwig Dogwood**

Yellow twig dogwood. Excellent for winter effects.

2	to	3	ft.....	.60	.55	.50
3	to	4	ft.....	.75	.70	.65
4	to	5	ft.....	.80	.75	.70

**COTONEASTER divaricata 4'-6'**

**Spreading Cotoneaster**

Vigorous and spreading with good clean foliage. Fruit is scarlet. Bushy plants with good root system.

2½	to	3	ft. B.&B.....	3.50	3.00	2.50
3	to	4	ft. B.&B.....	4.50	4.00	3.50

**horizontalis 1½'-2'**

**Rock Cotoneaster**

Flat spray like branches frequently reaching a spread of from four to five feet with small shiny Ilex like half evergreen leaves. Tiny pink flowers in spring followed by small red berries. Once established will endure drought, full sun and poor soil.

5 in. pots .....	2.00	1.75	1.50
------------------	------	------	------

**CRATAEGUS cordata 12'-15'**  
(phaenopyrum)

**Washington Thorn**

White flowers in May followed by brilliant red berries nearly all winter. Colorful autumn foliage.

3	to	4	ft. B.&B.....	4.50	4.00
4	to	5	ft. B.&B.....	5.00	4.50

**oxycantha Pauls Scarlet 12'-15'**

**Scarlet Hawthorn**

Double Scarlet flowers.

5	to	6	ft. B.&B.....	7.50	7.00
6	to	7	ft. B.&B.....	8.50	8.00
7	to	8	ft. B.&B.....	10.00	

1 to 4    5 to 24    25 & up  
Each    Each    Each

**CYDONIA Japonica 4'-5'****Flowering Quince****(chaenomeles lagenaria)**

Produces a rich mass of scarlet flowers in early spring.

18	to 24	in.....	.75	.70	.65
2	to 3	ft.....	.85	.80	.75
3	to 4	ft.....	1.00	.90	

**DEUTZIA gracilis 3'-4'****Slender Deutzia**

A profusion of snow white flowers cover bush in May.

12	to 15	in.....	.55	.50	.45
15	to 18	in.....	.65	.60	.50
1½	to 2	ft.....	.85	.75	.60
2	to 2½	ft.....	.95	.85	

**—rosea 3'****Rose Panicea Deutzia**

Pink flowers, neat habit.

1½	to 2	ft.....	.65	.60	.50
2	to 2½	ft.....	.75	.70	.60
2½	to 3	ft.....	.85	.80	.70
3	to 3½	ft.....	1.00	.90	.80

**lemoine 4'-5'****Lemoine Deutzia**

Large white flowers, June. Graceful.

2	to 2½	ft.....	.70	.65	
2½	to 3	ft.....	.80	.75	
3	to 3½	ft.....	.95	.90	

**scabra Pride of Rochester 9'-10'****Pink Deutzia**

Vigorous upright plant. Flowers in June.

3	to 4	ft.....	.75	.70	
4	to 5	ft.....	.90	.85	

**ENKIANTHUS campanulatus 20'-25'    Redvein Enkianthus**

Beautiful ornamental shrub. Many red veined lily of the valley like flowers.

2	to 2½	ft. B.&B.....	4.00		
2½	to 3	ft. B.&B.....	5.00		
3	to 4	ft. B.&B.....	6.00		

1 to 4    5 to 24    25 & up  
Each    Each    Each

**EUONYMUS alatus 9'-10'**

**Winged Euonymus**

Interesting corky bark, conspicuous in winter. Beautiful crimson autumn foliage.

2	to	3	ft.....	1.50	1.25	1.00
3	to	4	ft.....	2.00	1.75	1.50

**—compacta 4'-5'**

**Compact Winged Euonymus**

A very neat, compact shrub. Brilliant colored foliage starting in early and lasting late.

18	to	24	in.....	1.50	1.25	
2	to	2½	ft.....	2.00	1.75	1.50
2½	to	3	ft.....	2.50	2.25	2.00

**patens 6'-8'**

**Spreading Euonymus**

(Kiantschvicus)

Almost Evergreen. Vigorous grower forming broad loose shrub. Ornamental orange fruits.

15	to	18	in. B.&B.....	2.25	2.00	
1½	to	2	ft. B.&B.....	2.75	2.50	2.25
2	to	2½	ft. B.&B.....	3.50	3.00	2.75
2½	to	3	ft. B.&B.....	4.00	3.50	
3	to	4	ft. B.&B.....	5.00	4.50	

**radicans 3'-4'**

**Wintercreeper**

Evergreen. Self-clinging vine good for covering low walls.

2 year	.....	.50	.45	.40
--------	-------	-----	-----	-----

**—coloratus 6'-12'**

**Purple Wintercreeper**

Evergreen. Long narrow leaves purple underneath, tinged purple above.

2 year	.....	.40	.35	.30
3 year	.....	.50	.45	.40

**FORSYTHIA intermedia**

**—Lynwood Gold 5'-7'**

**Lynwood Gold**

Erect branches covered with bright yellow flowers from top to bottom. Introduced from Ireland.

4	to	5	ft.....	1.00	.95	.90
5	to	6	ft.....	1.25	1.10	1.00



**FORSYTHIA intermedia**

<b>1 to 4</b>	<b>5 to 24</b>	<b>25 &amp; up</b>
<b>Each</b>	<b>Each</b>	<b>Each</b>

**—spectabilis 8'-9'****Showy Goldenbell**

Most profuse of all. Large rich golden yellow flowers.

4	to	5	ft.	1.00	.95	.90
5	to	6	ft.	1.25	1.10	1.00

**—Spring Glory 6'-8'****Spring Glory**

This new forsythia is the loveliest of all Golden Bells, large pale yellow flowers completely covering branches, it is said to produce twice the number of blossoms of ordinary forsythias.

3	to	4	ft.	.80	.75	.70
4	to	5	ft.	1.00	.95	.90
5	to	6	ft.	1.25	1.10	1.00

**suspensa 4'-6'****Weeping Goldenbell**

Graceful drooping habit. Bright yellow. Excellent on banks.

3	to	4	ft.	.80	.75	.70
4	to	5	ft.	1.00	.95	.90

**viridissima bronxensis 18'****Dwarf Goldenbell**

New introduction from Bronx Botanical Gardens of New York. A little brother to the golden bell family. Handsome neat foliage, profusion of tiny golden flowers early spring. Good garden plant. Full sunlight preferred.

10	to	12	in.	1.00	.90	
----	----	----	-----	------	-----	--

**GLEDITSIA moraine 80'-90'****Moraine Locust**

(Plant Patent No. 836)

New patented thornless locust. Vigorous vase spreading habit. Makes a uniform, clean and graceful deep rooting shade tree free from diseases and pests.

8 to 9 ft., 1	to 1¼ in.	7.50	7.00	6.50
9 to 10 ft., 1¼	to 1½ in.	9.00	8.00	
10 to 12 ft., 1½	to 1¾ in.	10.00	9.00	
12 to 14 ft., 1¾	to 2 in.	12.00		

1 to 4    5 to 24    25 & up  
Each    Each    Each

**HALESIA carolina**

(tetraptera) 12'-15'

**Great Silver Bell**

Snow-white bell-shaped flowers in May. Profusely born on branchlets.

4	to	5	ft.....	2.00	1.75	1.50
5	to	6	ft.....	3.00	2.50	2.00
6	to	8	ft.....	4.00	3.50	

**HAMAMELIS mollis** 10'-12'

**Chinese Witch Hazel**

Orange-yellow flowers in February.

2	to	3	ft. B.&B.....	3.50		
3	to	4	ft. B.&B.....	5.00		
4	to	5	ft. B.&B.....	6.00		

**virginiana** 10'-12'

**Common Witch Hazel**

Yellow ribbon-like flowers. Oct-Nov. Good foliage. Best in moist, half shade.

2	to	3	ft.....	.90	.75	
3	to	4	ft.....	1.00	.90	
4	to	5	ft.....	1.50	1.25	
5	to	6	ft.....	2.00	1.50	

**HEDERA helix** 20'-50'

**English Ivy**

Evergreen. Ideal ground and wall cover.

4 in. pots .....	.45	.40	.35
------------------	-----	-----	-----

**—baltica** 20'-50'

**Baltic Ivy**

Evergreen. Slightly smaller leaves with prominent white veins. Clings better than all other forms.

4 in. pots .....	.50	.45	.40
------------------	-----	-----	-----

**—pedata** 20'-50'

**Birdfoot Ivy**

Evergreen. Star like leaves distinctly viewed.

4 in. pots .....	.50	.45	.40
------------------	-----	-----	-----

**—Pittsburg** 20'-50'

**Branching Ivy**

Evergreen. Small foliage, self-branching habit.

4 in. pots .....	.50	.45	.40
------------------	-----	-----	-----

1 to 4	5 to 24	25 & up
Each	Each	Each

**HIBISCUS syriacus 10'-12'****Rose of Sharon**

Good old fashioned summer and autumn blooming shrub.

**—Jeanne D'Arc—double white**

3	to	4	ft.	.....	.70	.65	.55
4	to	5	ft.	.....	1.00	.90	.80

**—Lady Stanley—double pink**

3	to	4	ft.	.....	.70	.65	
---	----	---	-----	-------	-----	-----	--

**—Wm. R. Smith—single white**

2	to	3	ft.	.....	.60	.50	
3	to	4	ft.	.....	.75	.65	.60
4	to	5	ft.	.....	1.00	.90	

**HYDRANGEA****paniculata grandiflora 4'-5'****Peegee**

Very showy blooms, August.

2	to	3	ft.	.....	.70	.65	.60
---	----	---	-----	-------	-----	-----	-----

**quercifolia 3'-4'****Oakleaf Hydrangea**

Large leaves shaped like an oak leaf. Splendid autumn coloring—succeeds in shade.

2	to	2½	ft.	.....	1.00		
2½	to	3	ft.	.....	1.25		
3	to	4	ft.	.....	1.50		
4	to	5	ft.	.....	2.00		

**HYPERICUM aureum 3'-4'****Golden St. Johnswort**

Yellow, July-Aug. Blue-green foliage. Dense habit. Good for margin of shrubbery.

2	to	3	ft.	.....	.70	.60	.50
3	to	4	ft.	.....	.80	.70	.60

**hicote 2½'-3'****St. Johnswort**

Large waxy golden flowers from June to Sept. makes this plant a striking summer shrub. The top often freezes back, but grows again from the base each year.

1 year	.....	.50	.40
--------	-------	-----	-----

1 to 4	5 to 24	25 & up
Each	Each	Each

**ILEX crenata****—nigra 8'-10'****Selected Japanese Holly**

This crenata was selected for its large dark green foliage and its well furnished upright habit.

2	to	2½ ft. B.&B.....	5.50	5.00	4.50
2½	to	3 ft. B.&B.....	6.50	6.00	5.50
3	to	3½ ft. B.&B.....	8.00	7.50	7.00
3½	to	4 ft. B.&B.....	9.00	8.50	
4	to	4½ ft. B.&B.....	11.00		

**—convexa (bullata) 4'-5'****Boxleaf Japanese Holly**

Evergreen. Good dwarf Ilex. Boxwood like foliage. We are proud of the quality of these plants.

12	to	15 in. B.&B.....	2.75	2.50	
15	to	18 in. B.&B.....	3.50	3.25	
1½	to	2 ft. B.&B.....	5.00	4.50	
2	to	2½ ft. B.&B.....	7.00	6.50	6.00
2½	to	3 ft. B.&B.....	8.50	8.00	

**—Green Island 5'-6'****Green Island Holly**

A low spreading microphylla type.

15	to	18 in. B.&B.....	3.50	3.25	
18	to	24 in. B.&B.....	5.00	4.50	

**—helleri 1½'-1¾'****Heller Japanese Holly**

A very dwarf low spreading type with miniature leaves.

9	to	12 in. spr. B.&B.....	2.00		
---	----	-----------------------	------	--	--

**—hetzi 4'-5'****Hetzi Japanese Holly**

Leaves curved, glossy, and larger than convexa.

12	to	15 in. B.&B.....	2.75	2.50	2.25
15	to	18 in. B.&B.....	3.50	3.25	3.00

1 to 4	5 to 24	25 & up
Each	Each	Each

**ILEX crenata****—microphylla 8'-10'****Littleleaf Japanese Holly**

Smaller leaves and more hardy than the type. More compact habit. Well sheared plants.

15	to 18	in. B.&B.....	4.00	3.50
18	to 24	in. B.&B.....	5.00	4.50
2	to 2½	ft. B.&B.....	6.00	5.50
2½	to 3	ft. B.&B.....	8.00	7.50
3	to 3½	ft. B.&B.....	10.00	

**—rotundifolia (latifolia) 12'-15'****Roundleaf Japanese Holly**

Evergreen. Large glossy round foliage, broad oval habit, good for hedge or mass plantings.

12	to 15	in. B.&B.....	3.00	2.50	2.00
15	to 18	in. B.&B.....	3.50	3.00	2.50
1½	to 2	ft. B.&B.....	4.50	4.00	3.50
2	to 2½	ft. B.&B.....	5.50	5.00	4.50
2½	to 3	ft. B.&B.....	6.50		

**glabra 4'-6'****Inkberry**

Evergreen. Shining dark green leaves. Purplish in winter. Black berries. Good in shade or sun. Plants offered here are grown from a uniform superior selected strain. Each plant sheared.

12	to 15	in. B.&B.....	2.50	2.00	
15	to 18	in. B.&B.....	3.00	2.50	2.25
1½	to 2	ft. B.&B.....	3.50	3.00	2.75
2	to 2½	ft. B.&B.....	4.00	3.50	3.25
2½	to 3	ft. B.&B.....	4.50	4.00	

**opaca Joanne (female) 30'-40'****Selected American Holly**

Excellent compact grower. Hardy. Good fruiting habit.

1½	to 2	ft. B.&B.....	5.00	4.50	4.00
2	to 2½	ft. B.&B.....	6.00	5.50	5.00
2½	to 3	ft. B.&B.....	7.50	7.00	
3	to 4	ft. B.&B.....	9.00	8.50	

**JASMINUM nudiflorum 4'-5'****Winter Jasmine**

Yellow. April-May.

15	to 18	in.....	.50	.40
----	-------	---------	-----	-----



1 to 4    5 to 24    25 & up  
Each    Each    Each

**JUNIPERUS chinensis columnaris 20'-25' Column Juniper**

Fast growing narrow columnar. Gray-Green foliage.

4    to    5    ft. B.&B..... 7.00

**—hetzi 6'-7'**

**Hetz Blue Juniper**

Quite spreading in habit, striking intense blue foliage.

18    to 24    in. B.&B..... 4.00    3.75    3.50

2    to 2½ ft. B.&B..... 4.50    4.25    4.00

**—keteleeri 18'-20'**

**Keteleer Cedar**

Good green foliage, making a pyramid. Slate blue berries. Compact.

4    to    5    ft. B.&B..... 7.00    6.75

5    to    6    ft. B.&B..... 10.00

6    to    8    ft. B.&B..... 11.00

**—pfitzeriana 5'-6'**

**Pfitzer Juniper**

Gray green feathery foliage. Broad bushy habit. Very popular.

1½ to 2    ft. spr. B.&B..... 3.75    3.50    3.25

2    to 2½ ft. spr. B.&B..... 4.50    4.00

**—pfitzeriana nana 4'-5'**

**Dwarf Pfitzer**

Compact light green foliage makes this plant a graceful spreading dwarf member of the pfitzer family.

12    to 15    in. B.&B..... 2.00

15    to 18    in. B.&B..... 3.00    2.50

**excelsa stricta 5'-6'**

**Spiny Greek Juniper**

Compact, well shaped pyramid. Foliage gray-green—most useful for formal effects.

9    to 12    in. B.&B..... 1.25    1.00

12    to 15    in. B.&B..... 1.75    1.50    1.25

**virginiana burki 12'-15'**

**Burk Silver Juniper**

Distinct blue. Forms a dense column.

4    to    5    ft. B.&B..... 7.00

1 to 4 Each	5 to 24 Each	25 & up Each
----------------	-----------------	-----------------

**JUNIPERUS virginiana****—cannarti 20'-25'****Cannart Cedar**

Very deep rich green foliage—dense growing columnar form.

2½ to 3	ft. B.&B.....	4.25	4.00
3 to 4	ft. B.&B.....	5.25	5.00
4 to 5	ft. B.&B.....	7.00	6.75
5 to 6	ft. B.&B.....	10.00	

**—glauca 20'-25'****Silver Cedar**

Blue-gray foliage.

2½ to 3	ft. B.&B.....	4.25	4.00
3 to 4	ft. B.&B.....	5.25	5.00
4 to 5	ft. B.&B.....	7.00	

**KALMIA latifolia 6'-8'****Mountain Laurel****(nursery grown only)**

Evergreen. Pink flowers. June. Glossy foliage, prefers shade. Fine nursery plants only.

15 to 18	in. B.&B.....	2.75	2.50
1½ to 2	ft. B.&B.....	3.50	3.25
2 to 2½	ft. B.&B.....	4.50	4.25
2½ to 3	ft. B.&B.....	6.00	

**KOLKWITZIA amabilis 6'-9'****Beauty Bush**

Excellent large growing shrub with pink flowers and neat habit.

2 to 3	ft.....	.75	.65	.60
3 to 4	ft.....	1.00	.85	.75
4 to 5	ft.....	1.20	1.00	

**LABURNUM vossii 18'-20'****Golden Chain****(watereri)**

Long racemes of golden yellow flowers in June. A useful small tree. Strikingly beautiful in bloom.

7 to 8	ft. B.&B.....	8.50	8.00
8 to 10	ft. B.&B.....	9.50	

	1 to 4 Each	5 to 24 Each	25 & up Each
<b>LEUCOTHOE catesbaei 4'-5'</b>			
<b>(nursery grown only)</b>			
<b>Drooping Leucothoe</b>			

Attractive racemes of pure white flowers. May. Handsome lustrous evergreen leaves, rich autumn coloring. Prefers moist place, shade or sun.

12	to 15	in. B.&B.....	3.00	2.75
15	to 18	in. B.&B.....	3.50	3.00
18	to 24	in. B.&B.....	4.00	

<b>LIGUSTRUM ovalifolium 10'-12'</b>	<b>California Privet</b>
Most popular hedge plant.	

18	to 24	in.....	—	.14	.12
2	to 3	ft.....	—	.22	.18
3	to 4	ft.....	—	.30	.25
4	to 5	ft.....	—	.40	.35

<b>regelianum 4'-5'</b>	<b>Regel Privet</b>
-------------------------	---------------------

Low dense, spreading. Very desirable for hedge.

1½	to 2	ft.....	.50	.45	.40
2	to 2½	ft.....	.65	.60	.50
2½	to 3	ft.....	.75	.70	.65

<b>LIQUIDAMBAR styraciflua 80'-100'</b>	<b>Sweet Gum</b>
---	------------------

Corky bark. Star-shaped leaves. Good autumn color. Grows well in moist places.

10 to 11 ft.,	1¾ to 2	in. B.&B.	13.00
10 to 12 ft.,	2 to 2¼	in. B.&B.	16.00
11 to 12 ft.,	2¼ to 2½	in. B.&B.	18.00
12 to 14 ft.,	2½ to 3	in. B.&B.	22.00

<b>LONICERA fragrantissima 6'-8'</b>	<b>Winter Honeysuckle</b>
--------------------------------------	---------------------------

Fragrant white flowers, April-May. Half-Evergreen.

2	to 3	ft.....	.60	.55	.50
3	to 4	ft.....	.80	.75	.70
4	to 5	ft.....	.90	.80	.75

**japonica halliana 15'-20'**

**Hall's Evergreen Honeysuckle**

Quick growing vine. Blooms freely. White and yellow. Fragrant.

2½ in. pots	.....	—	.15	.12
-------------	-------	---	-----	-----

1 to 4    5 to 24    25 & up  
Each    Each    Each

**LONICERA morrowi 7'-8'****Morrow Honeysuckle**

Spreading habit. Fragrant yellow flowers, May-June. Red berries.

2	to	3	ft.	.60	.55	.50
3	to	4	ft.	.75	.70	.60
4	to	5	ft.	.90	.80	.75

**tatarica rosea 8'-10'****Pink Tartarian Honeysuckle**

Fragrant pink flowers. Red fruit, very adaptable.

2	to	3	ft.	.60	.55	.50
3	to	4	ft.	.75	.70	.60

**—zabeli 8'-10'****True Red Honeysuckle**

Considered the best of the red flowering bush honeysuckle. Red fruit in early fall.

2	to	3	ft.	.60	.55
3	to	4	ft.	.75	.70

**MAGNOLIA**

The following magnolias have been transplanted and pruned, thus assuring a good bushy plant.

**MAGNOLIA conspicua 25'-30'**  
**(Denudata)****Yulan Magnolia**

An aristocrat of magnolia. Sweet scented six inch pure white flowers in April.

6	to	8	ft. B.&B.	12.00
---	----	---	-----------	-------

**glauca (virginiana) 15'-20'****Sweetbay**

Delightfully fragrant creamy flowers in May. Leaves nearly evergreen. Prefers moist location.

2	to	3	ft. B.&B.....	3.00	2.75	
3	to	4	ft. B.&B.....	4.50	4.25	
4	to	5	ft. B.&B.....	5.50	5.00	4.50
5	to	6	ft. B.&B.....	7.00	6.50	

**parviflora 10'-12'****Oyama Magnolia**

White cup-shaped flowers with red stamens in the center. The flowers are fragrant and continue blooming sparingly during summer.

2	to	3	ft. B.&B.	5.00
---	----	---	-----------	------

1 to 4	5 to 24	25 & up
Each	Each	Each

**MAGNOLIA soulangeana 18'-20'****Saucer Magnolia**

Large purplish pink and white flowers, May. Best transplanted in spring.

3	to	4	ft. B.&B.....	5.00	4.00	
4	to	5	ft. B.&B.....	6.00	5.50	5.00
5	to	6	ft. B.&B.....	9.00	8.00	7.50
6	to	7	ft. B.&B.....	11.00	10.00	
7	to	8	ft. B.&B.....	12.50		
8	to	10	ft. B.&B.....	18.00		

**—lennei 15'-18'****Lenne Magnolia**

Large, handsome rosy purple. Pear-shaped flowers. Bloom in late spring.

3	to	4	ft. B.&B.....	5.00		
4	to	5	ft. B.&B.....	6.00	5.50	
5	to	6	ft. B.&B.....	9.00	8.00	
6	to	7	ft. B.&B.....	11.00		

**—rustica 15'-18'****Purple Saucer Magnolia**

A late season magnolia with conspicuous pointed cup shape attractive rosy red flowers.

3	to	4	ft. B.&B.....	5.00	4.50	
4	to	5	ft. B.&B.....	6.00	5.50	
5	to	6	ft. B.&B.....	9.00	8.00	
6	to	7	ft. B.&B.....	11.00	10.00	
7	to	8	ft. B.&B.....	12.50		

**stellata 10'-12'****Star Magnolia**

Semi-double white flowers in early spring. Fragrant flowers are the first of the magnolias to bloom in this area.

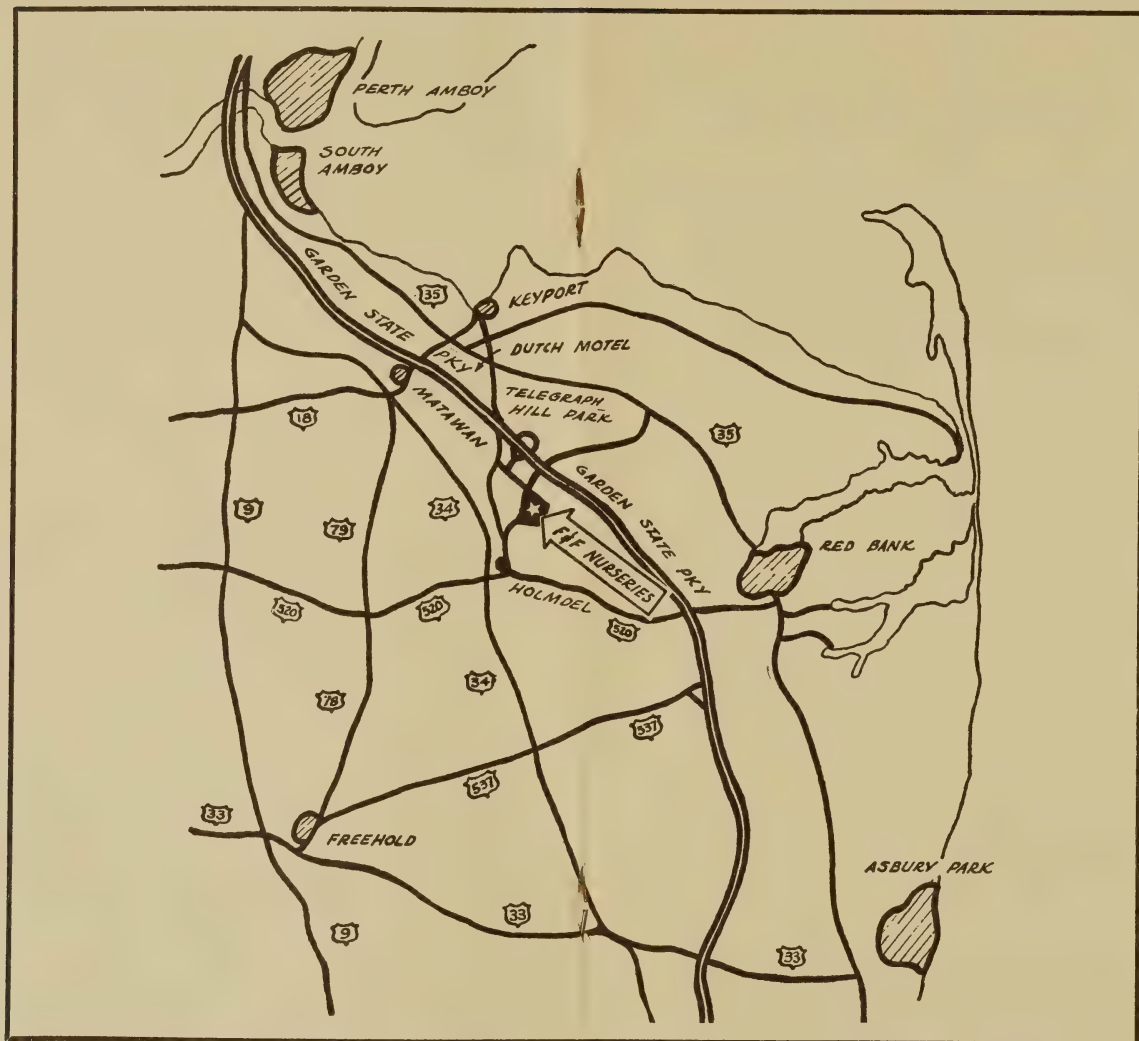
3	to	4	ft. B.&B.....	9.00	8.00	
4	to	5	ft. B.&B.....	11.00	10.00	9.00
5	to	6	ft. B.&B.....	12.00	11.00	10.00
6	to	7	ft. B.&B.....	15.00	14.00	

**—rosea 12'-18'****Pink Star Magnolia**

Attractive starry shaped pink fragrant flowers. Blooms before leaves appear.

4	to	5	ft. B.&B.....	10.00	9.00	8.00
5	to	6	ft. B.&B.....	12.00	11.00	10.00
6	to	7	ft. B.&B.....	15.00	14.00	13.00
7	to	8	ft. B.&B.....	18.00	16.00	





## F & F NURSERIES

CRAWFORD & ROBERTS ROAD, HOLMDEL, N. J.

Adjacent to Bell Telephone Research Laboratories



1 to 4	5 to 24	25 & up
Each	Each	Each

**MAGNOLIA verbanica** 12'-15'**Pink Magnolia**

Without a doubt the most beautiful pink of all magnolias. Slow grower. Free flowering.

4	to	5	ft. B.&B.....	6.00
5	to	6	ft. B.&B.....	9.00
6	to	8	ft. B.&B.....	11.00

**MALUS**

Each and every Flowering Crab offered here has been properly pruned and transplanted as 2 year olds, thus assuring a better root system.

**MALUS almey** 12'-15'**Almey Crabapple**

Large fiery red flowers. Upright habit.

10	to	12	ft. B.&B.....	15.00
----	----	----	---------------	-------

**arnoldiana** 12'-15'**Arnold Crab**

Large semi-double flowers, deep pink in bud expanding to almost white, one of the most beautiful crabs.

5	to	6	ft. B.&B.....	6.50	
6	to	8	ft. B.&B.....	9.00	8.50
8	to	10	ft. B.&B.....	12.50	12.00

**atrosanguinea** 12'-15'**Carminc Crab**

A multitude of dark pink flowers shading to deep purple crimson.

6	to	8	ft. B.&B.....	9.00	8.50	8.00
8	to	10	ft. B.&B.....	12.50	12.00	11.00

**Dorothea** 12'-15'**Pink Crab**

Semi-double, bright pink flowers. Good fruit.

6	to	8	ft. B.&B.....	9.00	8.50
---	----	---	---------------	------	------

**eleyi** 15'-20'**Ely Crab**

Rich purple red, very striking early flowering attractive fruit.

10	to	12	ft. B.&B.....	15.00	13.00
----	----	----	---------------	-------	-------

1 to 4    5 to 24    25 & up  
Each    Each    Each

**MALUS floribunda 12'-15'                      Japanese Flowering Crab**

Bright pink buds and white open flowers literally clothing the entire tree.

6	to	8	ft. B.&B.....	9.00	8.50	8.00
8	to	10	ft. B.&B.....	12.50	12.00	11.00

**hopa 12'-15'    Hopa Crab**

Large rose color flowers, most striking of deep colored crabs, large red fruit.

10	to	12	ft. B.&B.....	15.00	13.00	
----	----	----	---------------	-------	-------	--

**ionensis plena 15'-18'    Bechtels Crab**

Large double pure pink fragrant flowers on long stalks. Slow grower—last to flower.

5	to	6	ft. B.&B.....	7.00	6.50	
6	to	7	ft. B.&B.....	9.00	8.50	
7	to	8	ft. B.&B.....	12.50		

**Katherine 12'-15'    Katherine Crab**

A beautiful new introduction. Double pink flowers of lasting quality.

6	to	8	ft. B.&B.....	9.00		
8	to	10	ft. B.&B.....	12.50		

**prunifolia 12'-15'    Pearleaf Crab**

Large single white flowers—beautiful colored long lasting fruit much loved by birds, fine for preserving.

8	to	10	ft. B.&B.....	12.50	12.00	
10	to	12	ft. B.&B.....	15.00	13.00	

**sargentii 8'-9'    Sargentii Crab**

Spreading habit, white flowers, beautiful small lasting scarlet fruit. Very dwarf grower.

4	to	5	ft. B.&B.....	6.00	5.50	
5	to	6	ft. B.&B.....	7.50		

			1 to 4 Each	5 to 24 Each	25 & up Each
<b>MALUS scheideckeri 12'-15'</b>			<b>Scheidecker Crab</b>		
Large semi-double pink flowers of lasting quality. Waxy yellow fruits of short duration.					
6	to 8	ft. B.&B.....	9.00	8.50	8.00
8	to 10	ft. B.&B.....	12.50	12.00	11.00
10	to 12	ft. B.&B.....	15.00		
<b>spectabilis 12'-15'</b>			<b>Chinese Flowering Crab</b>		
Fragrant semi-double delicate pink flowers, habit of tree somewhat upright.					
6	to 8	ft. B.&B.....	9.00	8.50	8.00
8	to 10	ft. B.&B.....	12.50	12.00	11.00
<b>theifera 15'-18'</b>			<b>Tea Crab</b>		
The vase outline of this rather stiff branching crab is unique, blush white flowers, red in bud.					
6	to 8	ft. B.&B.....	9.00	8.50	8.00
8	to 10	ft. B.&B.....	12.50		
<b>OXYDENDRUM arboreum 30'-35'</b>			<b>Sourwood</b>		
Graceful clusters of white flowers, Aug. Good leathery foliage. Fine autumn color.					
3	to 4	ft. B.&B.....	3.50		
4	to 5	ft. B.&B.....	4.50		
<b>PHILADELPHUS coronarius 7'-9'</b>			<b>Mock Orange</b>		
The old fashioned Sweet Syringa — white flowers with pronounced yellow centers.					
3	to 4	ft.....	.70	.60	.50
4	to 5	ft.....	.80	.75	.70
<b>minnesota snowflake 6'-8'</b>			<b>Snowflake Mock Orange</b>		
This fragrant, new introduction produces a great abundance of fully double pure white flowers in June and early July.					
2	to 3	ft.....	.60	.55	
3	to 4	ft.....	.80	.75	.70
4	to 5	ft.....	.90	.85	.80
5	to 6	ft.....	1.00		



	1 to 4 Each	5 to 24 Each	25 & up Each
<b>PHILADELPHUS virginalis 7'-8'</b>			
<b>Virginal Mock Orange</b>			

A tall neat shrub with large pure white semi-double flowers throughout summer. Fragrant.

2	to	3	ft.	.....	.70	.65	.55
3	to	4	ft.	.....	.80	.75	.70
4	to	5	ft.	.....	.90	.85	.80
5	to	6	ft.	.....	1.00		

<b>PICEA excelsa 50'-60'</b>	<b>Norway Spruce</b>
------------------------------	----------------------

Good dark green symmetrical pyramidal habit. Well sheared.

1½	to	2	ft. B.&B.	.....	3.00	2.50	
2	to	2½	ft. B.&B.	.....	3.50	3.00	
2½	to	3	ft. B.&B.	.....	4.00	3.50	
3	to	4	ft. B.&B.	.....	5.00		

<b>pungens 70'-80'</b>	<b>Colorado Spruce</b>
------------------------	------------------------

Gray-green upright spruce.

18	to	24	in. B.&B.	.....	3.50		
2	to	2½	ft. B.&B.	.....	4.00		
2½	to	3	ft. B.&B.	.....	4.75		
3	to	4	ft. B.&B.	.....	6.00		

<b>—glauca 70'-80'</b>	<b>Blue Colorado Spruce</b>
------------------------	-----------------------------

Selected blue seedlings.

18	to	24	in. B.&B.	.....	4.50		
2	to	2½	ft. B.&B.	.....	5.00		
2½	to	3	ft. B.&B.	.....	6.00		

<b>PHOTINIA villosa 12'-15'</b>	<b>Christmas Berry</b>
---------------------------------	------------------------

White flowers in June. Rich scarlet berries profusely borne in autumn. Splendid foliage.

3	to	4	ft.	.....	1.25	1.00	
4	to	5	ft.	.....	1.75	1.50	

<b>PIERIS japonica 6'-7'</b>	<b>Japanese Andromeda</b>
------------------------------	---------------------------

Evergreen. Drooping clusters of small fragrant white flowers in May. Frequently called Japanese bush Lily of Valley.

15	to	18	in. B.&B.	.....	4.00	3.75	3.50
1½	to	2	ft. B.&B.	.....	5.00	4.75	4.50
2	to	2½	ft. B.&B.	.....	6.50	6.25	6.00
2½	to	3	ft. B.&B.	.....	7.50		

1 to 4	5 to 24	25 & up
Each	Each	Each

**PINUS strobus 80'-100'****White Pine**

Soft steel blue and green needles. Very adaptable. Picturesque when old.

2	to	2½ ft. B.&B.	4.50	4.00
2½	to	3 ft. B.&B.	6.00	5.50
3	to	4 ft. B.&B.	7.00	6.50

**PLATANUS orientalis 70'-90'****Oriental Plane or Sycamore****(Acerifolium—London Plane)**

Strong grower, deep rooted. Stands soot, smoke and resists heat very well. Good street or lawn tree. Straight stems. Well furnished crowns.

8 to 9 ft., 1¼ to 1½ in.	6.50	6.00	5.50
9 to 10 ft., 1½ to 1¾ in.	7.50	7.00	6.50
10 to 12 ft., 1¾ to 2 in.	10.00	9.50	9.00
11 to 13 ft., 2 to 2¼ in.	14.00	13.50	13.00
12 to 14 ft., 2¼ to 2½ in.	17.00	16.50	16.00

**PRUNUS glandulosa 4'-5'****Pink Flowering Almond**

Pure pink double flowers cover entire branches in May.

18 to 24 in.	.60
--------------	-----

**subhirtella pendula 12'-15'****Weeping Cherry**

Light pink flowers.

2 year head B.&B.	8.00	7.50
3 year head B.&B.	10.00	9.50

**serrulata Beni-Higan 20'-25'****Higan Cherry**

Early single pink.

5 to 6 ft. B.&B.	8.50	8.00
6 to 8 ft. B.&B.	10.00	9.50
8 to 10 ft. B.&B.	15.00	

1 to 4	5 to 24	25 & up
Each	Each	Each

**PRUNUS serrulata**—**kwanzan 20'-30' Upright Japan Flowering Cherry**

Large double deep pink flowers almost red in bud.  
Most popular double form.

5	to	6	ft. B.&B.....	8.50	8.00
6	to	7	ft. B.&B.....	10.00	9.50
7	to	8	ft. B.&B.....	12.00	11.00

**thundercloud 12'-15' Purpleleaf Flowering Plum**

Bright purple foliage. Best of the purple leaf  
plums.

6	to	7	ft. B.&B.....	7.50	7.00
7	to	8	ft. B.&B.....	9.50	9.00
8	to	10	ft. B.&B.....	11.00	10.00

**PSEUDOTSUGA douglasi 70'-80'****Douglas Fir**

Silver green foliage. Hardy.

2	to	3	ft. B.&B.....	4.00
3	to	4	ft. B.&B.....	6.00
4	to	5	ft. B.&B.....	7.50

**EXTRA HEAVY****PYRACANTHA coccinea lalandi 15'-18'****Firethorn**

Evergreen. A beautiful broad-leaved evergreen,  
with large clusters of orange berries in the fall.  
Propagated from fruiting plants only.

5 in. pots—15 to 18 in.....	2.00	1.75	1.50
8 in. can —18 to 24 in.....	3.00	2.50	2.25

—**Low Boy 6'-8'****Spreading Firethorn**

Evergreen. Spreading type of pyracantha coccinea.  
Forms a compact bush broader than its height.  
Large clusters of orange berries. Hardy.

5 in. pots—15 to 18 in. spr.....	2.00	1.75
5 in. pots—18 to 24 in. spr.....	3.00	2.50

**QUERCUS**

The quality of our oaks will please you.

1 to 4    5 to 24    25 & up  
Each    Each    Each

**QUERCUS coccinea 75'-90'****Scarlet Oak**

Most striking autumn colors, tall stately grower, deeply cut leaves.

8 to 9 ft., 1¼ to 1½ in.....	8.00	7.50
9 to 10 ft., 1½ to 1¾ in.....	9.00	8.50

**palustris 70'-90'****Pin Oak**

A most desirable and adaptable Oak. Excellent Autumn foliage coloring, good deep rooted tree. A rapid growing oak.

9 to 10 ft., 1½ to 1¾ in.....	8.50	8.00	
10 to 11 ft., 1¾ to 2 in.....	11.00		
11 to 12 ft., 2 to 2¼ in.....	14.00		
12 to 13 ft., 2¼ to 2½ in.....	15.00		
13 to 14 ft., 2½ to 3 in.....	18.00	17.50	17.00
14 to 16 ft., 3 to 3½ in.....	22.00		
16 to 18 ft., 3½ to 4 in.....	24.00		

**rubra (borealis) 70'-80'****Red Oak**

Medium quick growing oak tree, large leaves with good autumn coloring. Best transplanted in spring.

8 to 10 ft., 1¼ to 1½ in.....	7.50	7.00	6.50
9 to 10 ft., 1½ to 1¾ in.....	8.50	8.00	7.50
10 to 11 ft., 1¾ to 2 in.....	11.00	10.50	10.00
11 to 12 ft., 2 to 2¼ in.....	14.00	13.50	

**RHAMNUS cathartica 10'-12'****Common Buckthorn**

Good background shrub with prominent glittering black berries. Shiny green leaves.

2 to 3 ft.....	.65	.60
3 to 4 ft.....	.85	.75

**frangula 10'-12'****Glossy Buckthorn**

Berries red changing to black. Leaves good fall coloring.

3 to 4 ft.....	.85	.75
4 to 5 ft.....	1.00	

**RHODODENDRON carolinianum 5'-6'****Carolina Rhododendron**

Evergreen. Bright pink flowers. May-June. Compact, bushy. Well furnished nursery grown plants only.

15 to 18 in. B.&B.....	4.00
1½ to 2 ft. B.&B.....	5.00

1 to 4 Each	5 to 24 Each	25 & up Each
----------------	-----------------	-----------------

**NAMED HYBRIDS****RHODODENDRON****Everestianum 5'-6'****Hybrid Rhododendron**

Hardy. Large lilac trusses.

15 to 18 in.....	4.00	3.50
1½ to 2 ft.....	6.00	5.50

**roseum elegans 6'-8'****Hybrid Rhododendron**

Very reliable handsome foliage. Good compact habit. Free bloomer—bright rosy lilac flowers.

15 to 18 in.....	4.00	3.50
1½ to 2 ft.....	6.00	5.50

**Red Varieties****Hybrid Rhododendron****Caractacus****Dr. H. C. Dresselhuys****F. D. Godman****Ignatius Sargent**

15 to 18 in. B.&B.....	5.00	4.50
1½ to 2 ft. B.&B.....	6.00	5.50
2 to 2½ ft. B.&B.....	8.00	7.50
2½ to 3 ft. B.&B.....	12.00	

**White Varieties****Hybrid Rhododendron****catawbiense album**

15 to 18 in. B.&B.....	5.00	4.50
------------------------	------	------

**RHUS cotinus 12'-15'****Smoke Tree**

Large panicles of feathery, filmy flowers, April-May.

3 to 4 ft.....	1.00
4 to 5 ft.....	1.50
5 to 6 ft.....	2.00
6 to 7 ft.....	3.00

**SORBUS aucuparia 20'-30'****European Mountain Ash**

A valuable tree on a small lawn. The orange scarlet berries are very striking.

10 to 11 ft., 2 to 2¼ in.....	8.50	7.50
11 to 12 ft., 2¼ to 2½ in.....	10.00	9.50
12 to 13 ft., 2½ to 3 in.....	12.00	
13 to 14 ft., 3 to 3½ in.....	15.00	

1 to 4	5 to 24	25 & up
Each	Each	Each

**SPIRAEA Anthony Waterer 3'      Anthony Waterer Spirea**

Deep rich, rose-pink. Blooms all summer. Reddish green foliage.

18 to 24 in.....	.60	.55	
2 to 2½ ft.....	.80	.75	.70
2½ to 3 ft.....	.90	.85	
3 to 3½ ft.....	1.00	.90	

**van houttei 5'-6'****Van Houtte Spirea**

White, May-June. Graceful habit. Free flowering and very adaptable.

2 to 3 ft.....	.55	.50	.45
3 to 4 ft.....	.75	.70	.65
4 to 5 ft.....	.85	.80	.70

**STEPHANANDRA flexuosa 5'-6'      (incisa)****Cutleaf Stephenandra**

Graceful compact habit. Handsome foliage, similar to small maple leaf.

3 to 4 ft.....	.70	.65	.60
4 to 5 ft.....	.90	.80	.75

**STYRAX Japonica 18'-20'****Japan Snowbell**

White bell-shaped pendant flowers, June-July, make a handsome specimen.

4 to 5 ft. B.&B.....	5.00	4.50	
5 to 6 ft. B.&B.....	7.00	6.50	
6 to 7 ft. B.&B.....	8.50	8.00	
8 to 10 ft. B.&B.....	10.00		

**SYMPHORICARPOS chenaulti 3'-4'      Chenault Coralberry**

Brighter berries than Vulgaris. Excellent for shade plantings.

2 to 3 ft.....	.60	.55	.50
3 to 4 ft.....	.70	.65	.60

**—racemosus alba 4'-5'****White Snowberry**

White berries. Attractive foliage in mass plantings. Best in half shady, moist locations.

2 to 3 ft.....	.60	.55	.50
3 to 4 ft.....	.70	.65	.60
4 to 5 ft.....	.80	.75	.70



	1 to 4 Each	5 to 24 Each	25 & up Each
<b>SYMPHORICARPOS vulgaris 4'-5'</b>			
<b>(orbiculatus)</b>			

Coralberry

The "Indian Currant" bush has bright red berries that last well into Spring. Good for mass and bank plantings. Birds are attracted.

2	to	3	ft.....	.60	.55	.50
3	to	4	ft.....	.70	.65	.60

<b>SYMPLOCOS paniculata 20'-25'</b>	<b>Turquoise Berry</b>
-------------------------------------	------------------------

Deciduous shrub, slender spreading branches. White fragrant flowers. Beautiful turquoise fruit. Hardy.

2	to	3	ft.....	1.00	.90	
3	to	4	ft.....	1.25	1.00	.90
4	to	5	ft.....	1.50	1.25	

<b>SYRINGA chinensis persica 8'-9'</b>	<b>Persian Form</b>
--	---------------------

Fragrant pale lilac flowers in great quantities.

2	to	3	ft.....	.75	.70	.65
3	to	4	ft.....	1.00	.90	.80
4	to	5	ft.....	1.50	1.25	

**NAMED HYBRIDS**

The hybrid lilacs offered in this catalog have been grown on their own roots. You need not fear foreign suckers.

<b>Charles Joly 8'-15'</b>	<b>Hybrid Lilac</b>
Crimson.	

2	to	3	ft.....	1.50	
3	to	4	ft.....	2.50	

<b>Ellen Willmott 8'-15'</b>	<b>Hybrid Lilac</b>
Double white.	

2	to	3	ft.....	1.50	1.25
3	to	4	ft.....	2.50	

<b>Katherine Havemeyer 8'-15'</b>	<b>Hybrid Lilac</b>
Large double mauve.	

3	to	4	ft.....	2.50	2.25
4	to	5	ft.....	3.50	

		1 to 4 Each	5 to 24 Each	25 & up Each
<b>SYRINGA—Named Hybrids</b>				
<b>Ludwig Spaeth 8'-15'</b>			<b>Hybrid Lilac</b>	
Large single purple. Tall clusters.				
2	to 3 ft.....	1.50	1.25	
3	to 4 ft.....	2.50		
<b>President Falliere 8'-15'</b>			<b>Hybrid Lilac</b>	
Double lilac.				
2	to 3 ft.....	1.50		
3	to 4 ft.....	2.50		

### TAXUS

All yews offered in this listing have been frequently root pruned and well sheared.

<b>TAXUS baccata ovata 12'-15'</b>		<b>Oval Yew</b>		
Develops into an oval shaped column. Dark green with abundant fruit.				
15	to 18 in. B.&B.....	3.75	3.50	3.00
18	to 24 in. B.&B.....	4.50	4.25	4.00
2	to 2½ ft. B.&B.....	6.00	5.75	5.50
<b>cuspidata 12'-15'</b>		<b>Japan Yew</b>		
Rich dark green leaves. Spreading, bushy. Valuable for foundation planting. Grown from select uniform plants only.				
15	to 18 in. spr. B.&B.....	4.00	3.50	3.00
18	to 24 in. spr. B.&B.....	5.00	4.50	4.00
2	to 2½ ft. spr. B.&B.....	6.00	5.50	5.00
2½	to 3 ft. spr. B.&B.....	7.00	6.50	6.00
<b>—capitata 20'-25'</b>		<b>Tree Form Japan Yew</b>		
Handsome pyramidal form.				
18	to 24 in. B.&B.....	5.00	4.50	4.25
2	to 2½ ft. B.&B.....	6.00	5.50	5.25
2½	to 3 ft. B.&B.....	7.00	6.50	6.25
3	to 3½ ft. B.&B.....	9.00	8.50	
3½	to 4 ft. B.&B.....	11.00	10.50	

1 to 4	5 to 24	25 & up
Each	Each	Each

**TAXUS cuspidata****—densiformis 12'-15'****Densiformis Japanese Yew**

An improved, selected form of cuspidata with good compact habit.

12	to 15	in. spr. B.&B.....	3.50	3.00	2.50
15	to 18	in. spr. B.&B.....	4.50	4.00	3.50
18	to 24	in. spr. B.&B.....	5.50	5.00	4.50
2	to 2½	ft. spr. B.&B.....	6.50	6.00	

**—F. & F. compact form 6'-8' Compact Japan Yew**

Slow growing bushy habit. Dark rich green. This is the best spreading yew we have ever seen.

12	to 15	in. spr. B.&B.	3.50	3.00	2.50
15	to 18	in. spr. B.&B.	4.50	4.00	3.50
18	to 24	in. spr. B.&B.	5.50	5.00	4.50
2	to 2½	ft. spr. B.&B.	6.50	6.00	5.50
2½	to 3	ft. spr. B.&B.	8.00	7.50	

**—nana (brevifolia) 5'-6'****Dwarf Japan Yew**

Broad thick leaves. Very dark green. Dwarfish and irregular spreading habit. Very hardy. We have made a real effort to grow only the best dwarf form.

12	to 15	in. spr. B.&B.....	4.25	4.00	3.75
15	to 18	in. spr. B.&B.....	5.00	4.75	
1½	to 2	ft. spr. B.&B.....	6.50	6.25	6.00
2	to 2½	ft. spr. B.&B.....	7.50	7.00	

**—thayerae 8'-10'**  
**(Andersoni)****Thayerae Taxus**

Free fruiting spreading Taxus with slightly ascending branches.

18	to 24	in. spr. B.&B.....	5.00	4.50	4.00
2	to 2½	ft. spr. B.&B.....	6.00	5.50	5.00
2½	to 3	ft. spr. B.&B.....	7.00	6.50	

			1 to 4 Each	5 to 24 Each	25 & up Each
<b>TAXUS media (intermedia) 12'-15'</b>			<b>Hybrid Yew</b>		
A cross between baccata and cuspidata. Compact habit. Spreading. Glossy green foliage. Fruits freely.					
12	to 15	in. spr. B.&B.....	3.50	3.00	2.50
15	to 18	in. spr. B.&B.....	4.50	4.00	3.50
1½	to 2	ft. spr. B.&B.....	5.50	5.00	4.50
 <b>—browni 5'-6'</b>			 <b>Brown Yew</b>		
Excellent dark green foliage. Broad oval habit. Compact. Shears well.					
12	to 15	in. spr. B.&B.....	3.50	3.00	2.50
15	to 18	in. spr. B.&B.....	4.50	4.00	3.50
18	to 24	in. spr. B.&B.....	5.50	5.00	4.50
2	to 2½	ft. spr. B.&B.....	6.50	6.00	5.50
 <b>—hatfieldi 12'-15'</b>			 <b>Hatfield Yew</b>		
Upright oval shaped evergreen, compact habit. Fine landscape plant, especially for small estates and hedges.					
15	to 18	in. B.&B.....	4.00	3.50	3.00
1½	to 2	ft. B.&B.....	5.00	4.50	4.00
2	to 2½	ft. B.&B.....	6.00	5.50	5.00
2½	to 3	ft. B.&B.....	8.00	7.50	
 <b>—henryi 5'-6'</b>			 <b>Henryi Yew</b>		
A selected, broad upright yew with a nice compact habit.					
15	to 18	in. spr. B.&B.....	4.00	3.50	3.00
18	to 24	in. spr. B.&B.....	5.00	4.50	4.00
 <b>—hicksi 8'-10'</b>			 <b>Hicks Yew</b>		
Strong growing, free fruiting upright yew. Ideal for hedges. The plants offered here are well grown, well sheared and of first quality in every respect.					
15	to 18	in. B.&B.....	4.00	3.50	3.00
1½	to 2	ft. B.&B.....	5.00	4.50	4.00
2	to 2½	ft. B.&B.....	6.00	5.50	5.00
2½	to 3	ft. B.&B.....	8.00	7.50	

1 to 4	5 to 24	25 & up
Each	Each	Each

**TAXUS media**
**—wellesleyana 8'-10'**
**Wellesley Yew**

Excellent semi-upright Yew, similar to Hatfieldi. Slow grower. Holds its form well with minimum of shearing. Probably the best of the upright yews.

15	to 18	in. B.&B.....	4.00	3.50	3.00
1½	to 2	ft. B.&B.....	5.00	4.50	4.00
2	to 2½	ft. B.&B.....	6.00	5.50	5.00
2½	to 3	ft. B.&B.....	8.00	7.50	

**THUYA occidentalis elegantissima 15'-20'**
**Goldtip Arborvitae**

Branches tipped with yellow, rich lustrous green otherwise.

2½	to 3	ft. B.&B.....	3.50	3.00	2.50
3	to 4	ft. B.&B.....	4.50	4.00	3.50
4	to 5	ft. B.&B.....	5.50	5.00	4.50

**—globosa 3'-4'**
**Globe Arborvitae**

Best of the globe arborvitaes.

12	to 15	in. spr. B.&B.....	2.00	1.75	1.50
15	to 18	in. spr. B.&B.....	2.50	2.25	2.00

**—nigra 30'**
**Black Arborvitae**

Dark green. Compact. The best of the taller Arborvitaes. Shears well.

3	to 4	ft. B.&B.....	4.50	4.25	3.75
4	to 5	ft. B.&B.....	5.50	5.00	4.50
5	to 6	ft. B.&B.....	7.00	6.50	6.00
6	to 7	ft. B.&B.....	8.00	7.50	

**—pyramidalis 25'-30'**
**Pyramidal Arborvitae**

Retains bright green coloring throughout winter. Narrow-columnar shape.

4	to 5	ft. B.&B.....	5.50	5.00	4.50
5	to 6	ft. B.&B.....	7.00	6.50	6.00
6	to 7	ft. B.&B.....	8.00	7.50	

1 to 4	5 to 24	25 & up
Each	Each	Each

**THUYA****plicata atrovirens (Lobbi) 30'-40' Giant Arborvitae**

Rich shining dark green fleshy foliage.

3	to	4	ft. B.&B.....	4.50	4.25
4	to	5	ft. B.&B.....	5.50	5.25
5	to	6	ft. B.&B.....	7.00	6.50
6	to	7	ft. B.&B.....	8.00	7.50

**TSUGA canadensis 70'-80'****Canada Hemlock**

Most graceful and adaptable. Useful as clipped hedge or informal planting.

2½	to	3	ft. B.&B.....	5.00	4.75
3	to	3½	ft. B.&B.....	7.00	6.50
3½	to	4	ft. B.&B.....	9.00	8.50
4	to	5	ft. B.&B.....	10.00	9.50

**VIBURNUM americanum 10'-12'****(Trilobum)****American Cranberry Bush**

Bright scarlet berries all winter. Good foliage.

2	to	3	ft.....	.70	.65	.60
3	to	4	ft.....	.95	.85	.80
4	to	5	ft.....	1.10	1.00	.90

**carlesi 4'-5'****Fragrant Viburnum**

Waxy pink flowers appear in round clusters. Demands drainage.

2	to	2½	ft. B.&B.....	3.00
---	----	----	---------------	------

**dentatum 10'-12'****Arrow Wood**

White flowers, May-June. Berries blue-black. Autumn coloring purple and red—thrives in wet soil.

2	to	3	ft.....	.70	.65	.60
3	to	4	ft.....	.95	.85	.80
4	to	5	ft.....	1.00	.90	

**dilatatum 8'-10'****Linden Viburnum**

Creamy white, May-June. Scarlet shiny berries persisting. Handsome.

18	to	24	in.....	.60	.55	
2	to	3	ft.....	.95	.90	.85
3	to	4	ft.....	1.10	1.00	



			1 to 4 Each	5 to 24 Each	25 & up Each
<b>VIBURNUM lantana 12'-15'</b>		<b>Wayfaring Tree</b>			
White flowers. May-June. Leaves gray-green. Red fruit to black.					
3	to	4 ft.....	.95	.85	.80
4	to	5 ft.....	1.10	1.00	.90
<b>lentago 20'-25'</b>		<b>Nannyberry</b>			
Handsome shining leaves. Blue-black fruits.					
3	to	4 ft.....	.95	.85	.80
4	to	5 ft.....	1.10	1.00	.90
<b>molle 8'-12'</b>		<b>Kentucky Viburnum</b>			
Large green leaves. White flowers, May-June. Good fall coloring.					
2	to	3 ft.....	.85	.75	.70
3	to	4 ft.....	.95	.85	.80
<b>prunifolium 12'-15'</b>		<b>Black Haw</b>			
Pure white flowers, April-June. Blue-black berries.					
2	to	3 ft.....	1.25	1.00	
3	to	4 ft.....	1.50	1.25	
4	to	5 ft.....	2.00	1.50	
<b>rhytidophyllum 8'-10'</b>		<b>Leatherleaf Viburnum</b>			
Long green foliage persists throughout the winter.					
15	to	18 in. B.&B.....	3.00	2.75	
<b>rotundifolium 10'-12'</b>		<b>Roundleaf Viburnum</b>			
Similar to tomentosum, slightly more robust. Larger foliage.					
2	to	3 ft.....	.85	.80	.75
3	to	4 ft.....	.95	.90	.80
4	to	5 ft.....	1.10	1.00	
<b>sieboldi 8'-10'</b>		<b>Siebold Viburnum</b>			
White, May-June. Berries pink changing to black. Rich dark green foliage.					
2	to	3 ft.....	.95	.85	
3	to	4 ft.....	1.10		

			1 to 4 Each	5 to 24 Each	25 & up Each
<b>VIBURNUM tomentosum 8'-10'</b>			<b>Doublefill Viburnum</b>		
Flat heads of white flowers, June. Berries red to black.					
3	to	4 ft.....	.95	.90	.80
4	to	5 ft.....	1.10	1.00	
<b>VINCA minor 4"-6"</b>			<b>Periwinkle</b>		
Evergreen. Ground cover suitable for sunny or shady spots alike.					
3 in. pots		.....	.20	.18	.16
<b>VITEX macrophylla 5'-6'</b> (latifolia)			<b>Big Leaf Chaste Tree</b>		
Raceme of beautiful rich blue flowers cover the bush from late July through September. Best transplanted in spring.					
2	to	3 ft.....	.85	.75	.70
3	to	4 ft.....	1.00	.90	
4	to	5 ft.....	1.10	1.00	
<b>WEIGELA Eva Rathke 4'-5'</b>			<b>Red Flowering Weigela</b>		
Carmine flowers, June-August. Rich foliage.					
2	to	3 ft.....	.70	.65	.60
3	to	4 ft.....	.85	.75	.70
<b>rosea 7'-8'</b>			<b>Pink Weigela</b>		
Pink flowers, June. Strong grower. Good foliage.					
3	to	4 ft.....	.85	.75	.70
4	to	5 ft.....	1.10	1.00	
<b>Vanicek—Red 6'-8'</b>			<b>Upright Red Weigela</b>		
Good grower. Large red flowers.					
3	to	4 ft.....	.85	.75	.70
4	to	5 ft.....	1.10	1.00	

**BALLING CHARGES**

**Ball and Burlap**—The specification "B. & B." in this list signifies digging with a ball of earth, which, where indicated, is included in the price. For digging all other items (not specified B.&B.) in this manner, there is an additional charge based upon the dimensions of the earth ball as follows:

**TREES**

Diameter of Ball	Estimated Weight	Price
12"	45 lbs.	\$ 1.50
15"	75 lbs.	2.50
18"	150 lbs.	5.00
21"	225 lbs.	7.00
24"	300 lbs.	9.00
30"	550 lbs.	12.00
36"	1150 lbs.	22.00
42"	1850 lbs.	33.00
48"	2750 lbs.	45.00
54"	4000 lbs.	65.00
60"	5500 lbs.	90.00

**SHRUBS**

Size of Shrub	Price
2 to 3 ft.	\$ .75
3 to 4 ft.	1.00
4 to 5 ft.	1.50

**PLATFORMS**

Charges for platforms will be refunded upon return of same.

Size	Average Ball Size	Price
24"	30".....	\$2.25
28"	32".....	2.50
30"	36".....	2.75
32"	40".....	3.25
36"	48".....	4.25
40"	54".....	5.50

**Delivery Dates** are made subject to enforced delay caused by weather or other conditions beyond our control.

## MEMORANDUM

# MEMORANDUM

## MEMORANDUM







**IN BUSINESS FOR  
OVER SEVENTY-FIVE YEARS**